

LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For the Technical Direction of the LTPP Program



Program Area: IMS

Directive Number: I-76

Date: July 31, 2000

Supersedes: NA

Subject: Differentiation of SPS 9 Projects and Sections

This directive implements the procedures for differentiating between SPS 9A and SPS 9P projects and test sections within the IMS. This change is being implemented for user convenience as well as simplifying the QC which is experiment dependent and the determination of data completeness for SPS 9 projects.

Differentiation of SPS 9 projects and sections will be done by altering the entry for EXPERIMENT_NO in the **EXPERIMENT_SECTION** table. In order to differentiate between the SPS-9 pilot and 9A projects, EXPERIMENT_NO will be set to either 9P or 9A for the project level records. (Note that project level records are those whose last two digits of SHRP_ID are 00.) The type of pavement structure will be indicated by the code for EXPERIMENT_NO assigned to the test section level records; i.e. those whose SHRP_ID do not end in 00.

For every project which was constructed in substantial conformance to “**Specific Pavement Studies, Construction Guidelines for Experiment SPS-9A, SUPERPAVE™ Asphalt Binder Study**”¹, the value of EXPERIMENT_NO in **EXPERIMENT_SECTION** shall be changed from “9” to “9A” for project level records, i.e. those whose SHRP_ID ends with “00”. For other SPS-9 projects that were part of the pilot program, or which were not constructed in conformance with the SPS-9A guidelines, the value of EXPERIMENT_NO in **EXPERIMENT_SECTION** should be changed from “9” to “9P” for project level records, i.e. those whose SHRP_ID ends with “00”.

The value of EXPERIMENT_NO for individual SPS-9 section records is based on the experimental pavement structure being studied as shown in Table 1. If the SPS-9 pavement section being studied is an overlay, then the EXPERIMENT_NO for the CONSTRUCTION_NO = 1 record is based on the code used for the overlaid pavement. Since pavement structures for test sections co-located on the same project should be the same, all sections on a same project with matching structures should be assigned the same value of EXPERIMENT_NO until a section is rehabilitated. At that time the EXPERIMENT_NO will change to the appropriate GPS category as per the guidelines contained in LTPP Directive GO-13 provided it has been accepted for monitoring continuation after rehabilitation.

¹SPS-9 Projects constructed using either the guidelines dated August 1994 or the ones dated September 1995 are considered part of SPS-9A. Projects which were constructed prior to the issuance of the guidelines and for which data was collected in substantially the same manner are eligible for inclusion as SPS-9A projects.

Table 1. EXPERIMENT_NO assignment for SPS-9 test section records in EXPERIMENT_SECTION.

Pavement Structure Type Studied	EXPERIMENT_NO
New or reconstructed AC pavement	9N
Overlay of existing AC pavement	9O
Overlay of existing jointed PCC pavement	9J
Overlay of existing CRCP pavement	9C

Table 2 presents an example of the change to EXPERIMENT_NO for an SPS-9 located in Arizona. This SPS-9 is a newly constructed AC pavement.

Table 2. Example revision of EXPERIMENT_NO for an Arizona SPS-9 section.				
STATE_CODE	SHRP_ID	CONSTRUCTION_NO	Current EXPERIMENT_NO	Revised EXPERIMENT_NO
4	B900	1	9	9A
4	B901	1	9	9N
4	B902	1	9	9N
4	B903	1	9	9N

The established Form 1 process shall be followed to implement these changes. When submitting the requested changes on the Form 1s, the RCOC shall identify any core experimental section which have SHRP_ID's between ?904 and ?910 inclusive. This information will be used to revise the QC for these atypically numbered core sections.

It is desired to complete these changes prior to the planned conversion of CN. The RCOCs shall submit the Form 1 change requests for SPS-9 records in **EXPERIMENT_SECTION** in their region by August 18, 2000. Since these Form 1s will not have any impact on the assignment of CN for an SPS 9 section, they will be exempt from the freeze on processing Forms 1s between June 30 and September 1, 2000. The TSSC is responsible for providing Form 1 responses and revised **EXPERIMENT_SECTION** and distress QC which reflects the changes in experiment designation in time for use with the September 1, 2000 upload.

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Approved:

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